

Satellite workshop of FEPS-SIF 2019

***Cardiolipin as key lipid of mitochondria in health and disease -
Fourth edition***

Bologna (Italy), September 10th, 2019



We are pleased to invite you to the fourth edition of the workshop dedicated to cardiolipin, the signature lipid of mitochondria, which will be held in Bologna (Italy) on September 10th, 2019, as a satellite event to the FEPS2019 - Joint Meeting of the Federation of European Physiological Societies and the Italian Physiological Society (<https://www.feps-sif2019.com>).

The workshop venue will be in the heart of the district of the Alma Mater Studiorum University of Bologna, in the historical center of Bologna.

This one day-workshop will offer the opportunity to discuss various aspects of basic cardiolipin functions in biomembranes of prokaryotes and animal cells. At the same time, the availability of new pharmacological tools and connections between cardiolipin research and human physiology, in particular cardiac physiology will be highlighted.

As in previous workshop, in parallel with the scientific sessions the families of boys affected by Barth Syndrome will meet and discuss various aspects of the disease.

We trust that you will also help us to advertise the meeting and will encourage the participation of young colleagues.

Best regards,

Angela Corcelli, Simona Lobasso and Michael Schlame

Angela Corcelli
Associate Professor of Physiology
Department of Basic Medical Sciences, Neuroscience and Sensory Organs
University of Bari Aldo Moro
Bari, Italy
e-mail: angela.corcelli@uniba.it

Simona Lobasso
Assistant Professor of Physiology
Department of Basic Medical Sciences, Neuroscience and Sensory Organs
University of Bari Aldo Moro
Bari, Italy
e-mail: simona.lobasso@uniba.it

Michael Schlame
Professor; Director of Cardiothoracic Anesthesia
Department of Anesthesiology and Cell Biology
NYU Langone Medical Center
New York, USA
e-mail: Michael.Schlame@nyumc.org

With the support of



Preliminary Program September 10th, 2019

09:00-11:00

Barth Syndrome: meeting of Italian families

Welcome: *Paola Cazzaniga, President of Barth Italia (Monza, Italy)*

Round Table

Anwar Baban (Bambin Gesù, Roma), Alice Donati (Meyer, Firenze), Simona Lobasso (Bari, Italy), Amelia Morrone (Meyer, Firenze), Colin Phoon (NYU, USA), Colin Steward (Bristol, Uk), Daniela Toniolo (San Raffaele, Milano), Nicola Tovaglieri (Niguarda, Milano).

11:30-16:00

Scientific session:

Role of cardiolipin in physiopathological states

Chairpersons: *Michael Schlame (NYU, USA) and Peter Bütikofer (Bern, Switzerland)*

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| 11:30-12:00 | Welcome
<i>Angela Corcelli (Bari, Italy) and Corrado Poggesi (Firenze, Italy)</i> |
| 12:00-12:30 | <i>Colin Phoon (NYU, USA)</i>
Role(s) of cardiolipin during embryogenesis and fetal development |
| 12:30-13:00 | <i>Mauro Serricchio (University of Toronto, Canada)</i>
Inducible cardiolipin depletion leads to metabolic shift in <i>Trypanosoma brucei</i> and parasite death |
| 13:00-13:30 | <i>Miriam Greenberg (Wayne University, Detroit, USA)</i>
Cardiolipin links mitochondrial lipid synthesis to TCA cycle function |
| 13:30-14:00 | Break/Poster |
| 14:00-14:30 | <i>Hazel Szeto (Cornell University, USA)</i>
Interaction of SS-31 with cardiolipin prevents NLRP3 inflammasome activation |
| 14:30-15:00 | <i>Anthony Aiudi (Stealth Biotherapeutics, Newton MA, USA)</i>
Effect of elamipretide on clinical disease severity and cardiolipin in patients with Barth Syndrome |
| 15:00-15:30 | <i>Jan Dudek (University Center Würzburg, Germany)</i>
Defective mitochondrial cardiolipin remodeling affects cardiac metabolism and cellular signaling in Barth Syndrome |
| 15:30-16:00 | <i>Christian Reynolds (Wayne University, Detroit, USA)</i>
Nicotinamide replacement in preclinical models of Barth Syndrome |

Registration

There is **no registration fee** for the workshop.

To register, simply please send an e-mail to: simona.lobasso@uniba.it with your name and affiliation.

Abstract submission

To submit your lecture or poster please follow the two steps below:

To prepare a one page abstract (title, authorship and text), please keep the text to within 1500 characters (spaces included) and save your abstract as doc format (.doc) on your computer (no .pdf please!)

To submit your abstract, please send it by e-mail to: simona.lobasso@uniba.it

Deadlines

Abstract submission for Posters and Lectures: August, 31

Conference venue

Alma Mater Studiorum – University of Bologna

Via Andreatta 8, Bologna - Italy

<https://www.feps-sif2019.com/conference-venue/>